AMENDMENTS TO THE SPECIFICATION

Please replace paragraph number **[0010]**, with the following:

[0010]   Figure 1 is a block diagram of the system in accordance with an embodiment of the present invention.

Please replace paragraph **[0011]** with the following:

[0011]   Reference will now be made in detail to the preferred embodiments of the present invention, examples of which may be illustrated in the accompanying ~~drawings~~ drawing, Fig. 1.

Please replace paragraph **[0013]** with the following:

[0013]   The present invention **100** is comprised of a multitude of components, software applications, and subsystems including at least the: (1) Orbiter-in-a-Box Tool **102**, (2) Command and Data Tool **104**, (3) Project Missions Operations Tool **106**, and (4) General Purpose Computer Emulator Platform **108**. The present invention comprises a system which allows users to simulate and/or emulate a payload's interaction with a craft, such as an evolved extended launch vehicle or the Space Shuttle, including the crafts on-board computers enabling the user to perform developmental activities on the payload hardware and associated software even without access to the launch agency' computer systems. The system as a whole, subsystems, and components each have unique and novel features and functions which at least allow a user to test, analyze, and develop: (i) any interface between the payload **110** and the craft's computers; (ii) any command, serial communications, and telemetry interface; (iii) any Cargo PC application software against the General Purpose Computer Payload Command Filter ("GPCF") which enables the user to verify commands, fault annunciations, and telemetry; and (iv) the performance or interaction of a payload against emulated and/or simulated craft avionics components.